

FIG. 1

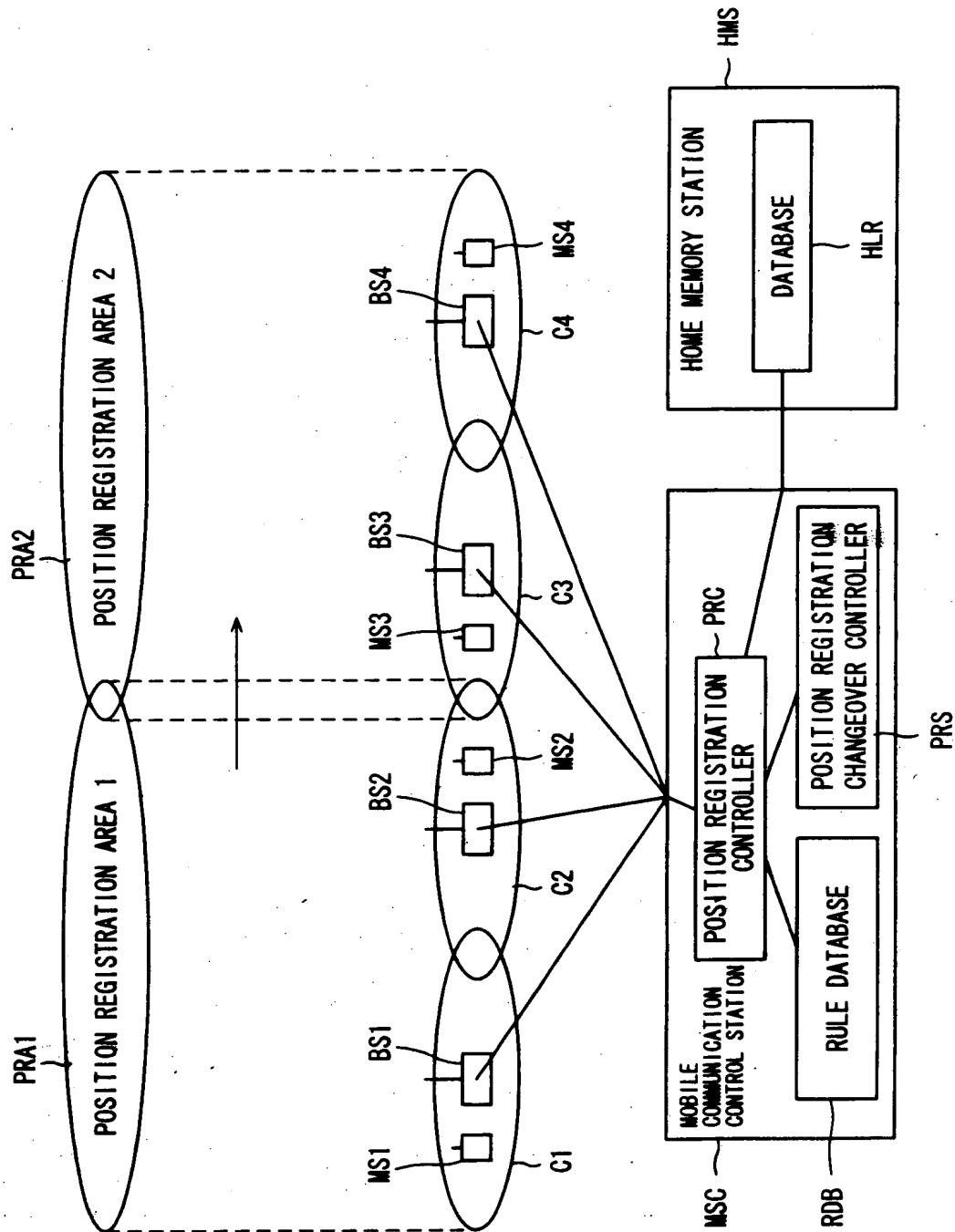


FIG. 2

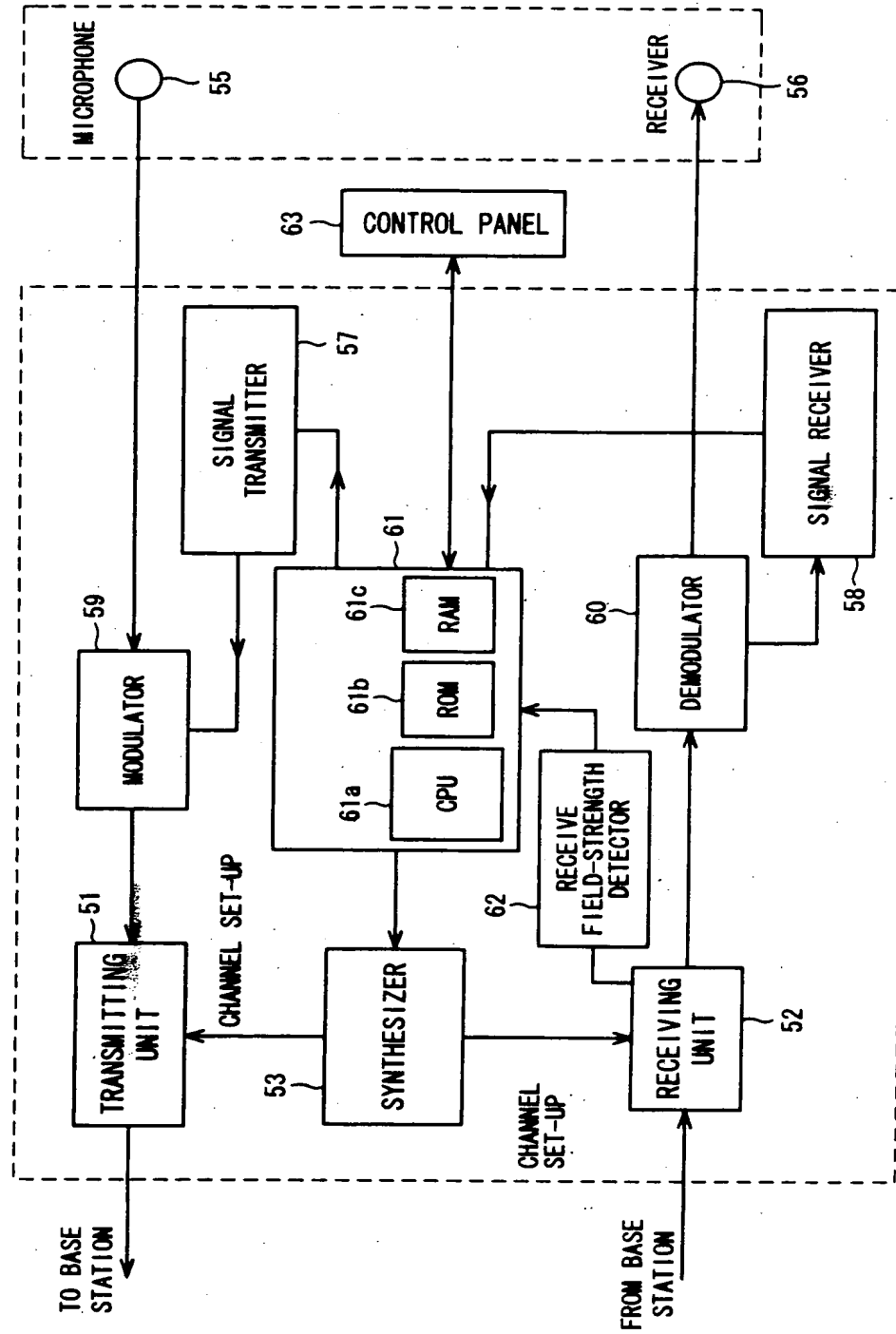


FIG. 3

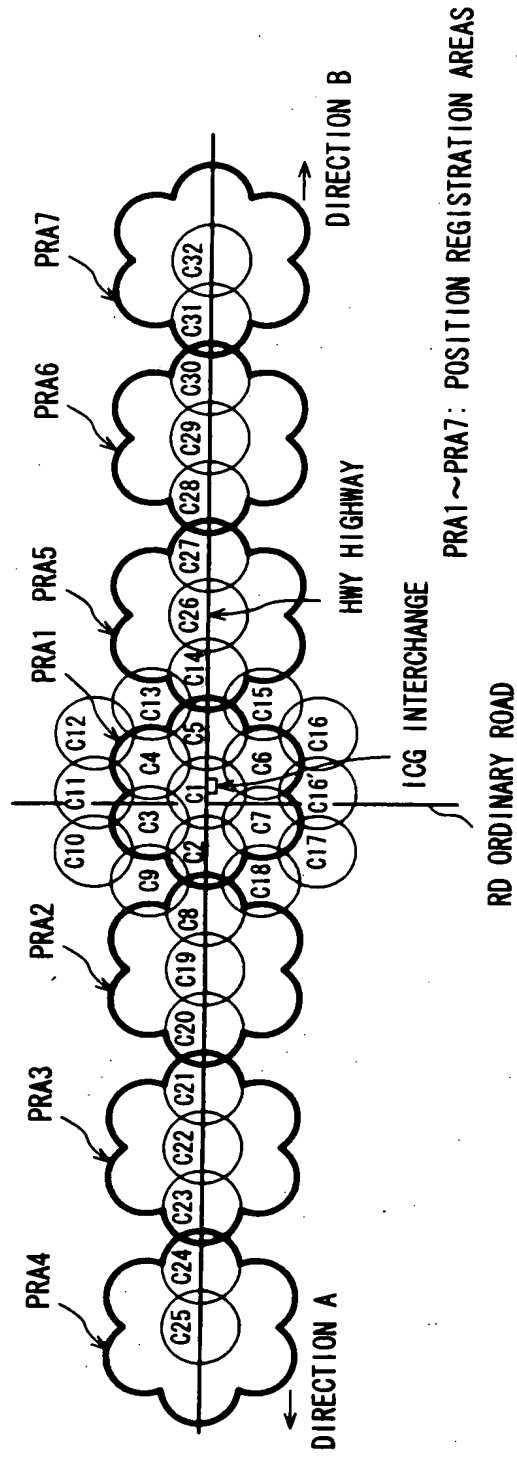


FIG. 4

POSITION REGISTRATION AREA AND RADIO ZONE NO.

POSITION REGISTRATION AREA ID	RADIO ZONE IDs
L1	C1, C2, C3, C4, C5, C6, C7
L2	C8, C19, C20, . . .
L3	C21, C22, C23, . . .
L4	C24, C25, . . .
L5	C14, C26, C27, . . .
L6	C28, C29, C30, . . .
L7	C31, C32, . . .

FIG. 5

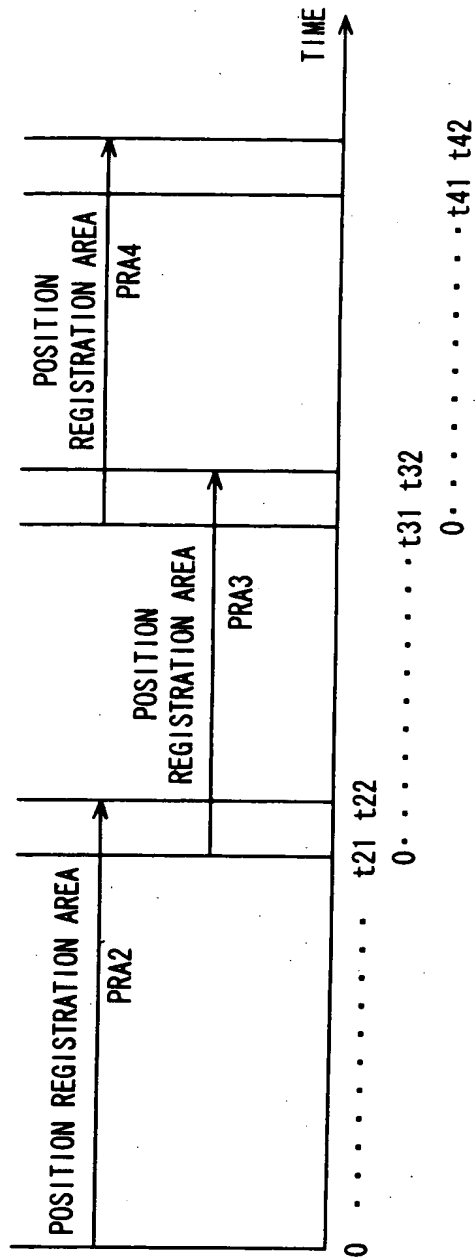


FIG. 6**RULE FOR AUTOMATIC POSITION
REGISTRATION CHANGEOVER****RULE CONFIRMATION PORTION**

RADIO ZONE ID	TRAVEL TIME	
C2→C8	tM11~tM12	} RL1
C5→C14	tM21~tM22	
		} RL2

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME	
L2	t21~t22	} RL1
L3	t31~t32	
L4	t41~t42	
L5	t51~t52	} RL2
L6	t61~t62	
L7	t71~t72	

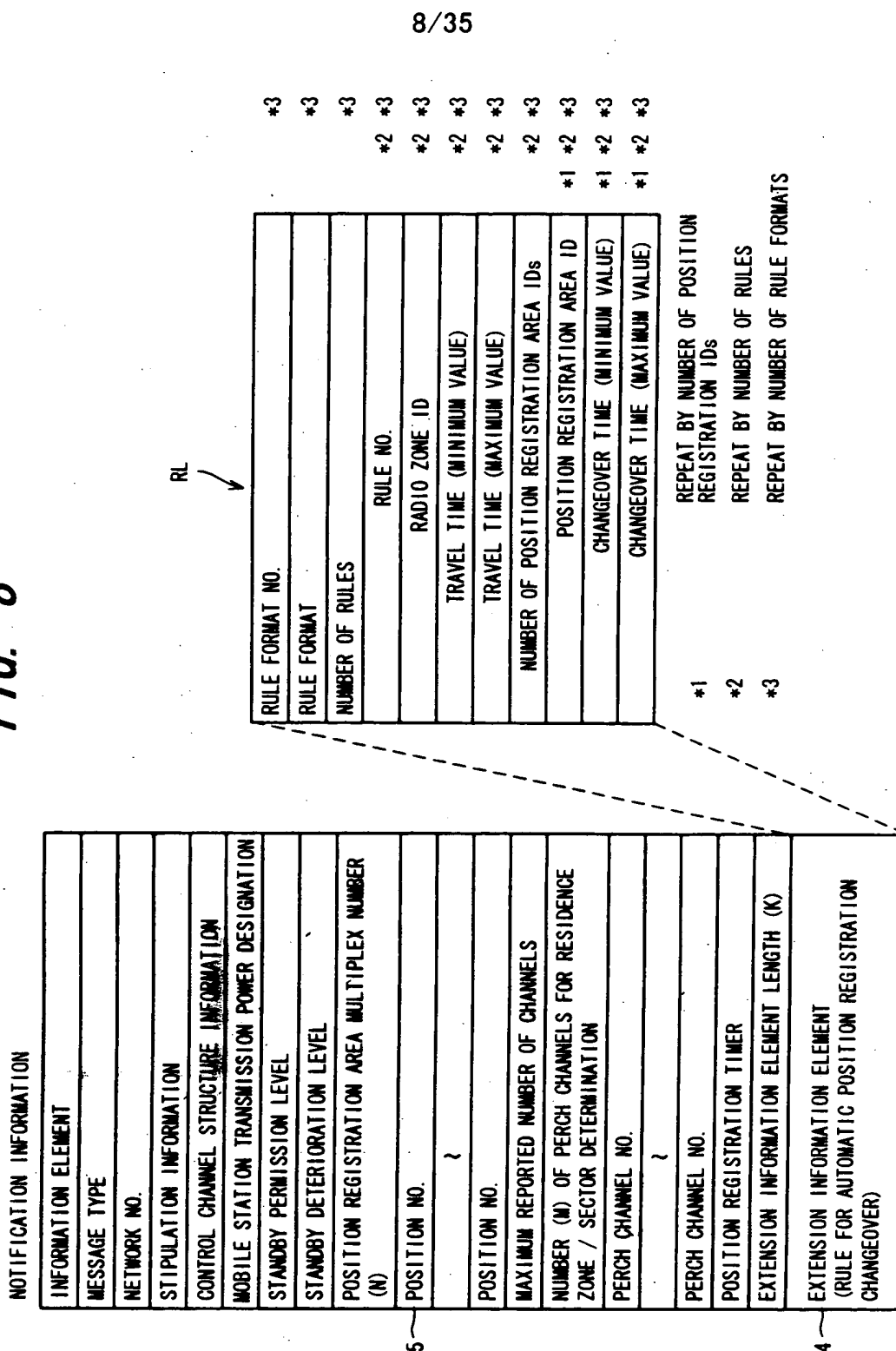
FIG. 7

1	1			2			3					
	1			1			1					
1	C2→C8	tM11	tM12	L2	POSITION REGISTRATION AREA ID		CHANGEOVER TIME					
						MINIMUM VALUE	MAXIMUM VALUE	MINIMUM VALUE	MAXIMUM VALUE			
								t21	t22			
								t31	t32			
2	C5→C14	tM21	tM22	L5								
											t41	t42
											t51	t52
											t61	t62
				L7								
											t71	t72

RL1

RL2

FIG. 8



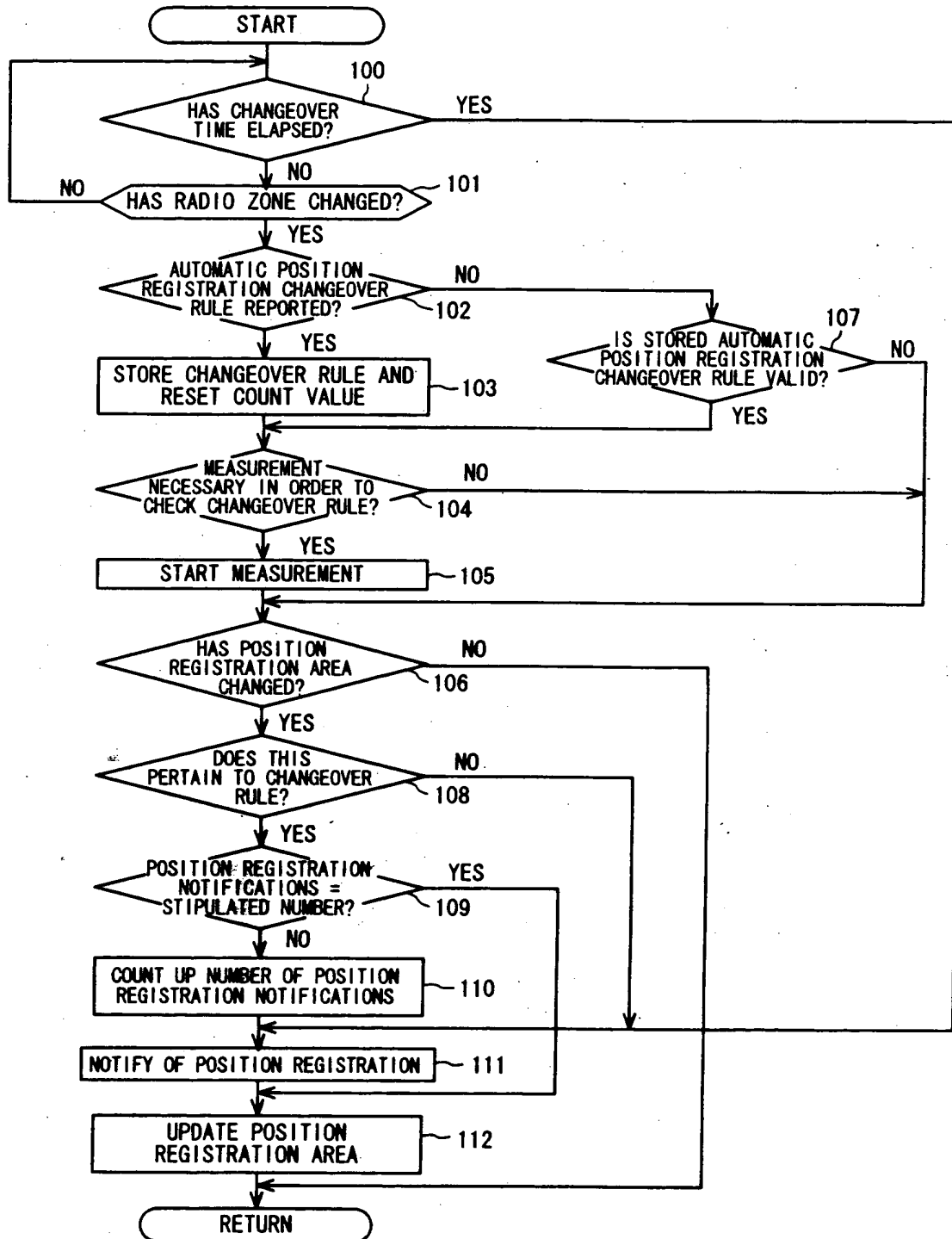


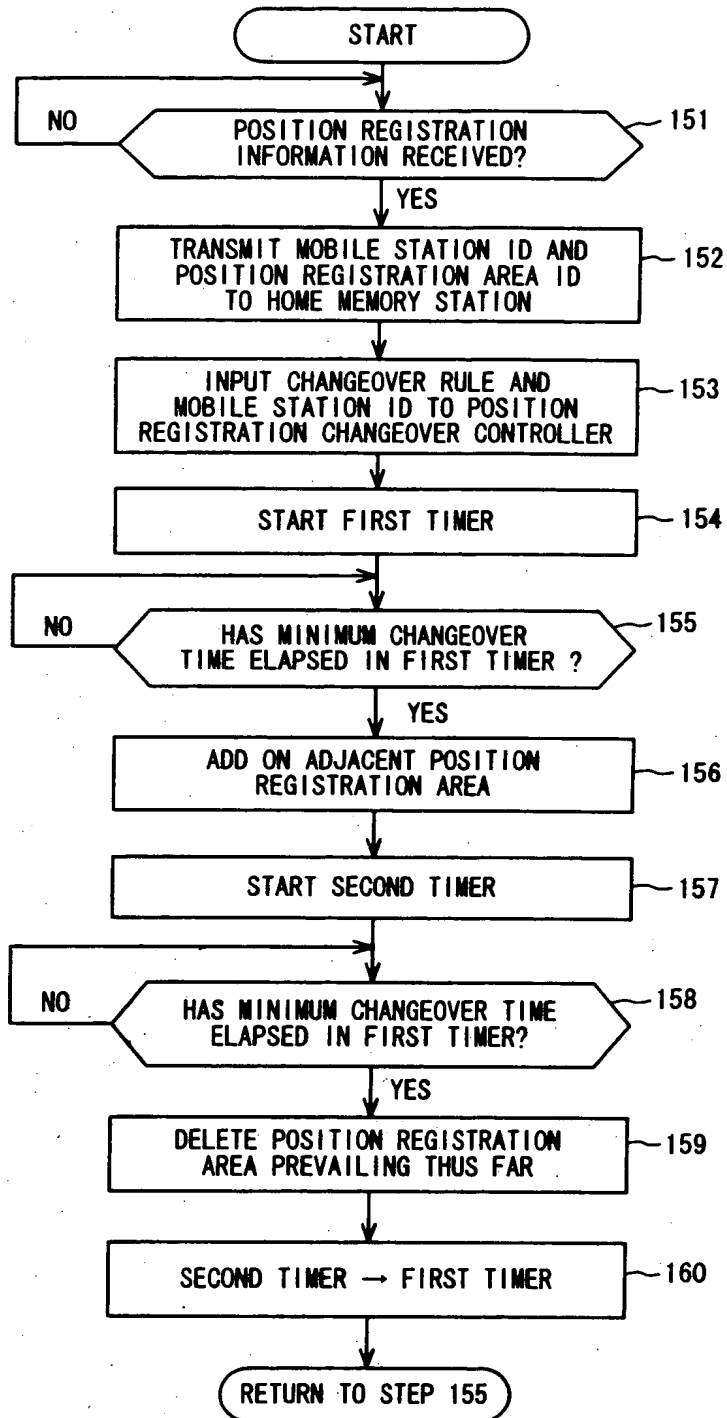
FIG. 10

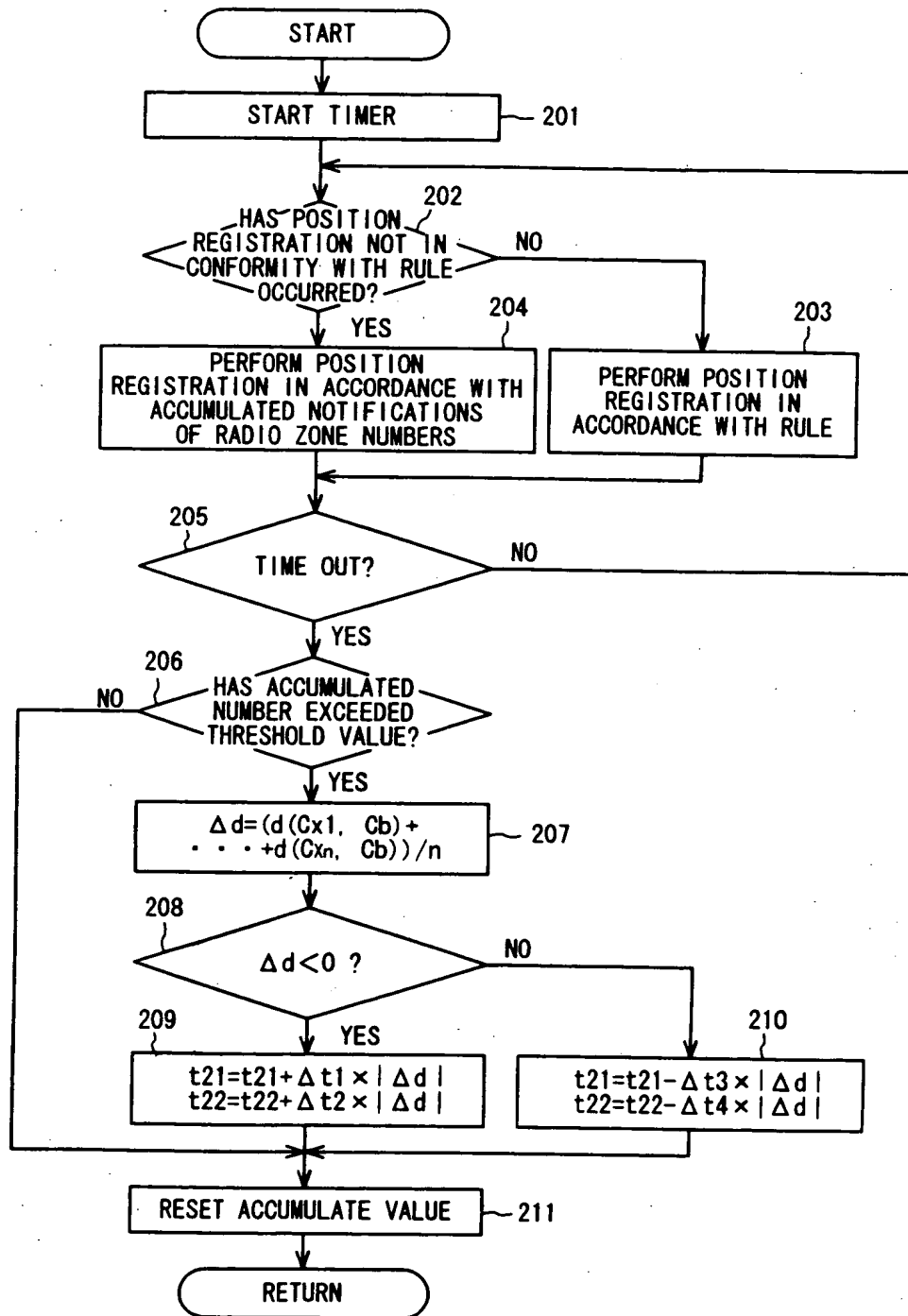
FIG. 11

FIG. 12

RULE NUMBER	RULE CONFIRMATION PORTION			CHANGEOVER RULE PORTION		
	RADIO ZONE ID	TRAVEL TIME		POSITION REGISTRATION AREA ID	CHANGEOVER TIME	
		MINIMUM VALUE	MAXIMUM VALUE		MINIMUM VALUE	MAXIMUM VALUE
1	C2→C8	tm11	tm12	L2	t21	t22
				L3	t31	t32
				L4	t41	t42
				L5	t51	t52
2	C5→C14	tm21	tm22	L6	t61	t62
				L7	t71	t72
				L2	t81	t82
3	C2→C8	tm31	tm32	L3	t91	t92
				L4	t101	t102
				L5	t111	t112
4	C5→C14	tm41	tm42	L6	t121	t122
				L7	t131	t132

FIG. 14

RULE CONFIRMATION PORTION

RADIO ZONE ID	TRAVEL TIME
C33→C34	tM51~tM52

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L8	t261~t262
L9	t271~t272
L10	t281~t282

FIG. 15

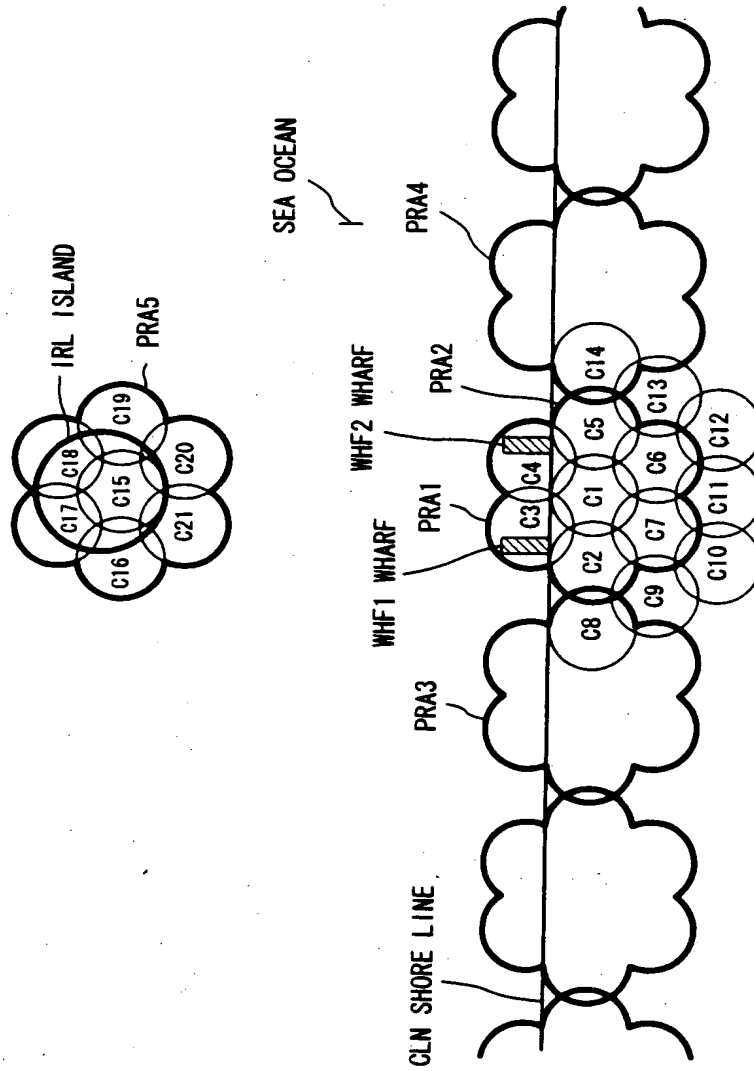


FIG. 16

RULE CONFIRMATION PORTION

2
{

RADIO ZONE ID	TRAVEL TIME
1→3	NONE
1→4	NONE
2→3	NONE
5→4	NONE

RULE CHANGEOVER PORTION

3
{

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L5	t21~t22

FIG. 17

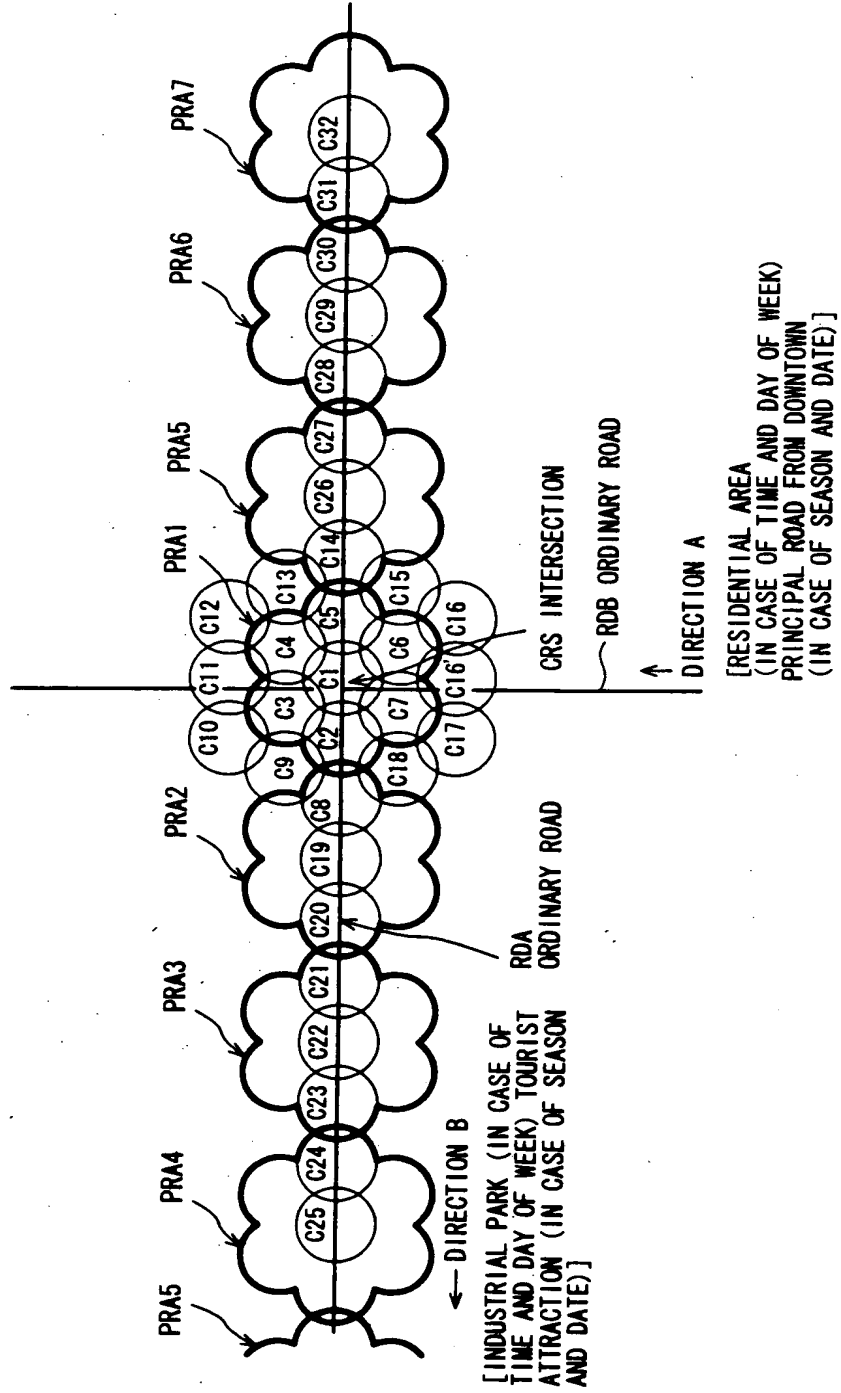


FIG. 18

(a)

RULE FOR AUTOMATIC POSITION
REGISTRATION CHANGEOVER
(WEEKDAYS, 7:30 TO 8:30 AM)

RADIO ZONE ID	TRAVEL TIME
C2→C8	tM11~tM12

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2	t21~t22
L3	t31~t32
L4	t41~t42

(b)

RULE FOR AUTOMATIC POSITION
REGISTRATION CHANGEOVER
(WEEKDAYS AND OTHER TIME PERIODS)

RADIO ZONE ID	TRAVEL TIME
C2→C8	tM11'~tM12'

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2	t21'~t22'
L3	t31'~t32'
L4	t41'~t42'

FIG. 19

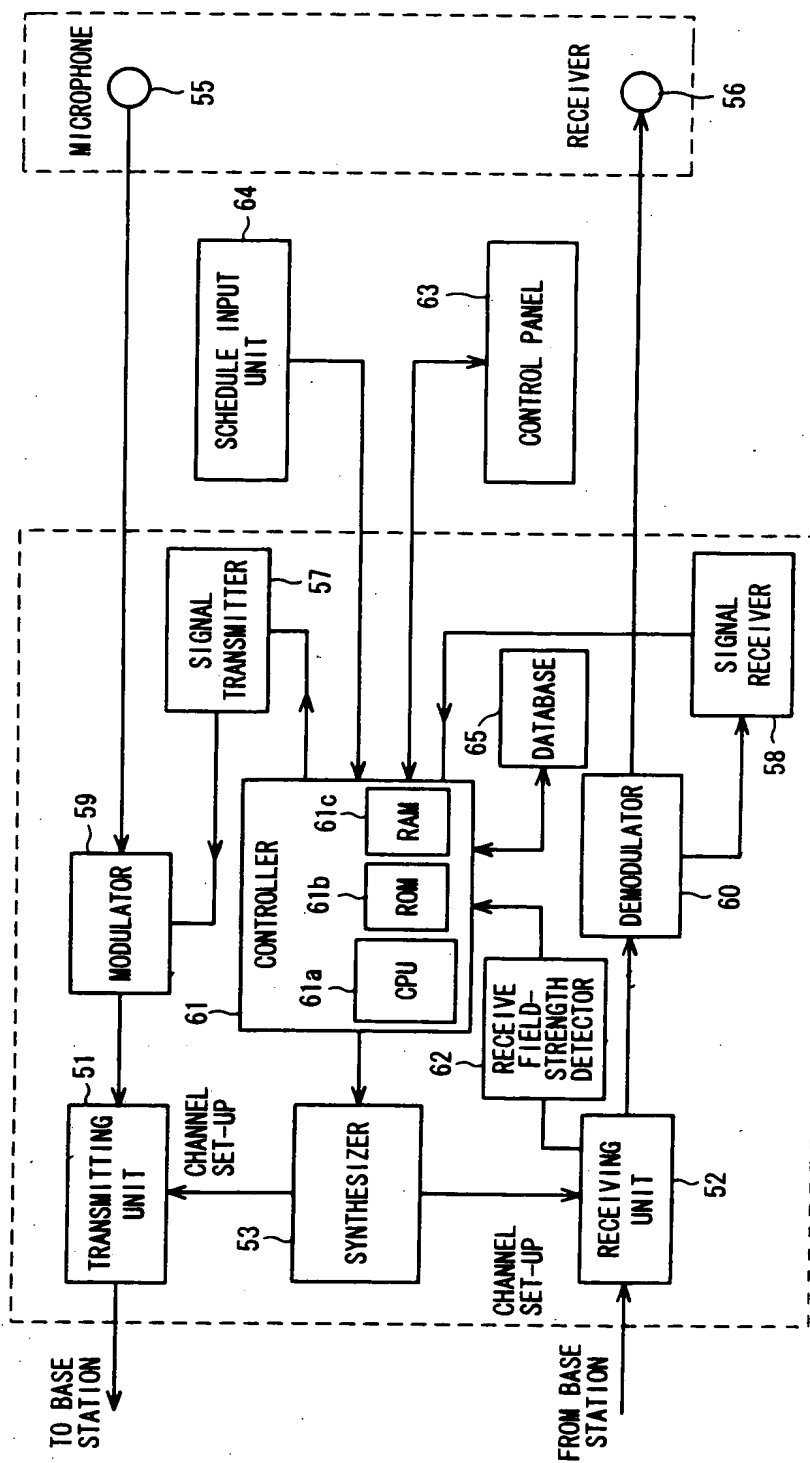


FIG. 20

LOCATION/FACILITY	RADIO ZONE ID
TOKYO Δ Δ HEAD OFFICE	C11
.
.
KAWASAKI Δ Δ FACTORY	C21
.
YOKOHAMA Δ Δ BRANCH	C31
.

FIG. 21

SCHEDULE BOOK	
LOCATION/ FACILITY OF PLANNED STAY	PLANNED DURATION OF STAY (DEPARTURE TIME)
TOKYO Δ Δ HEAD OFFICE	
KAWASAKI Δ Δ FACTORY	
YOKOHAMA Δ Δ BRANCH	

FIG. 22

LOCATION/FACILITY	RADIO ZONE	PLANNED TIME OF STAY
TOKYO Δ Δ HEAD OFFICE	C11	
KAWASAKI Δ Δ FACTORY	C21	
YOKOHAMA Δ Δ BRANCH	C31	

FIG. 23

1 { RULE NO.	2 { RULE CONFIRMATION PORTION	3 { CHANGEOVER RULE PORTION		
		LATITUDE- LONGITUDE INFORMATION	PASS-BY TIME	
			MINIMUM VALUE	MAXIMUM VALUE
1	NONE	e1-n1	t141	t142
		e2-n2	t151	t152
		e3-n3	t161	t162
		e4-n4	t171	t172
		e5-n5	t181	t182
		e6-n6	t191	t192
2	NONE	e7-n7	t201	t202
		e8-n8	t211	t212
		e9-n9	t221	t222
		e10-n10	t231	t232
		e11-n11	t241	t242
		e12-n12	t251	t252
⋮				

FIG. 24

LATITUDE-LONGITUDE	RADIO ZONE	POSITION REGISTRATION AREA
e1-n1		
e2-n2		
----- e _i -n _i	-----	-----

FIG. 25

RULE NO.	RULE CONFIRMATION PORTION	CHANGEOVER RULE PORTION			
		RADIO ZONE NO.	POSITION REGISTRATION AREA NO.	PASS-BY TIME	
				MINIMUM VALUE	MAXIMUM VALUE
1	NONE	C11,	L11	t141	t142
		C111,	L111	t151	t152
		C112,	L112	t161	t162
		C113,	L113	t171	t172
		. . .	t181	t182	
		C21,	L21	t191	t192
2	NONE	C11,	L11	t201	t202
		. . .	t211	t212	
		. . .	t221	t222	
		. . .	t231	t232	
		. . .	t241	t242	
		C31,	L31	t251	t252
.					
.					
.					

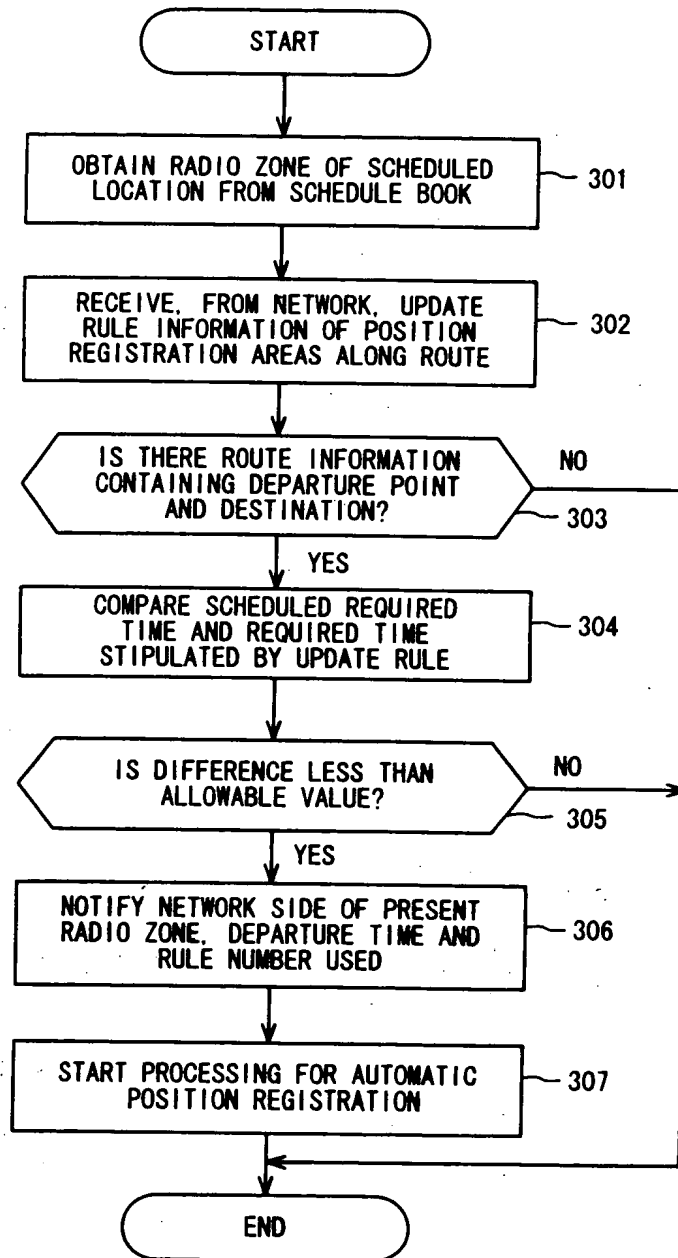
FIG. 26

FIG. 27

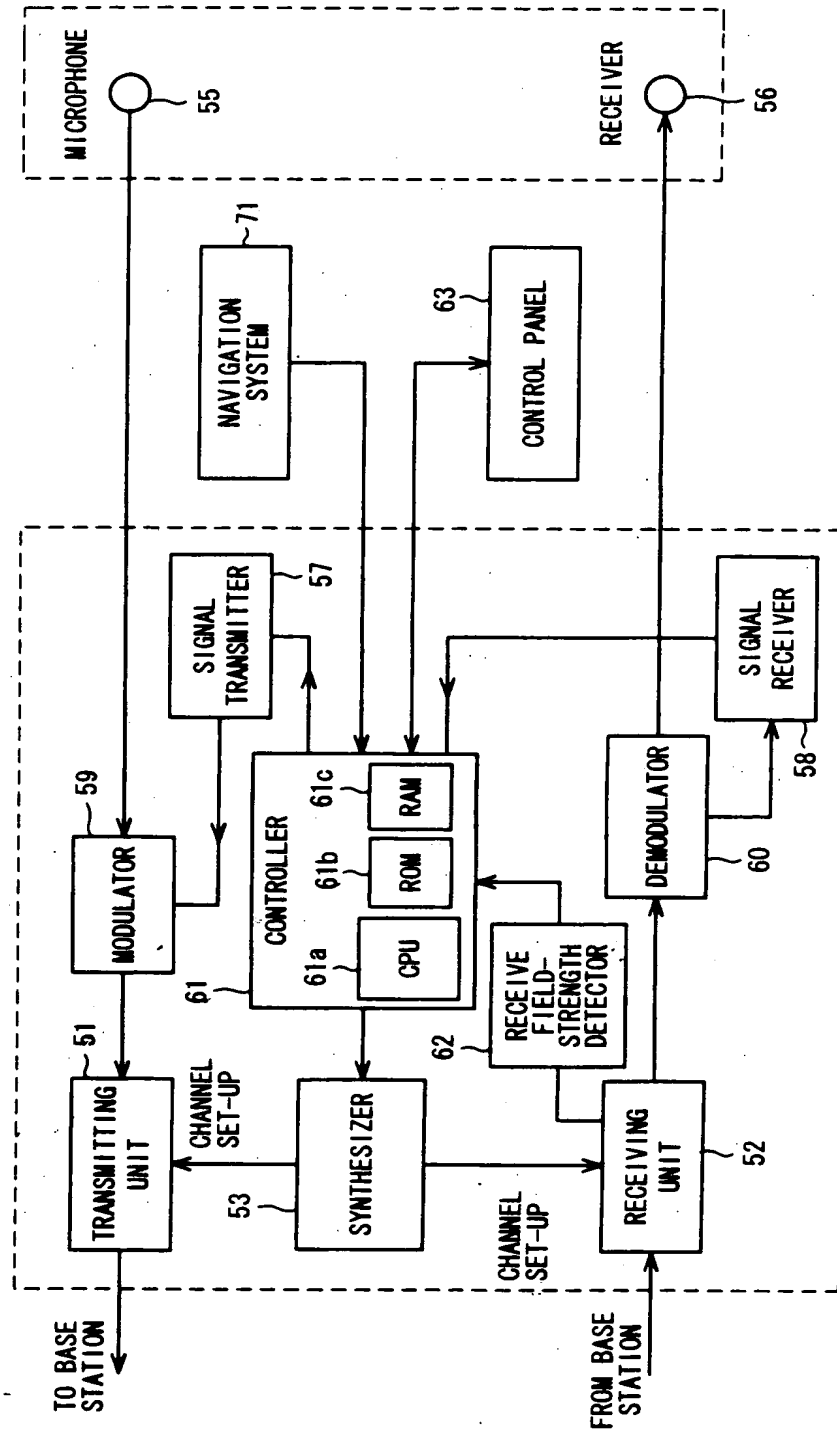


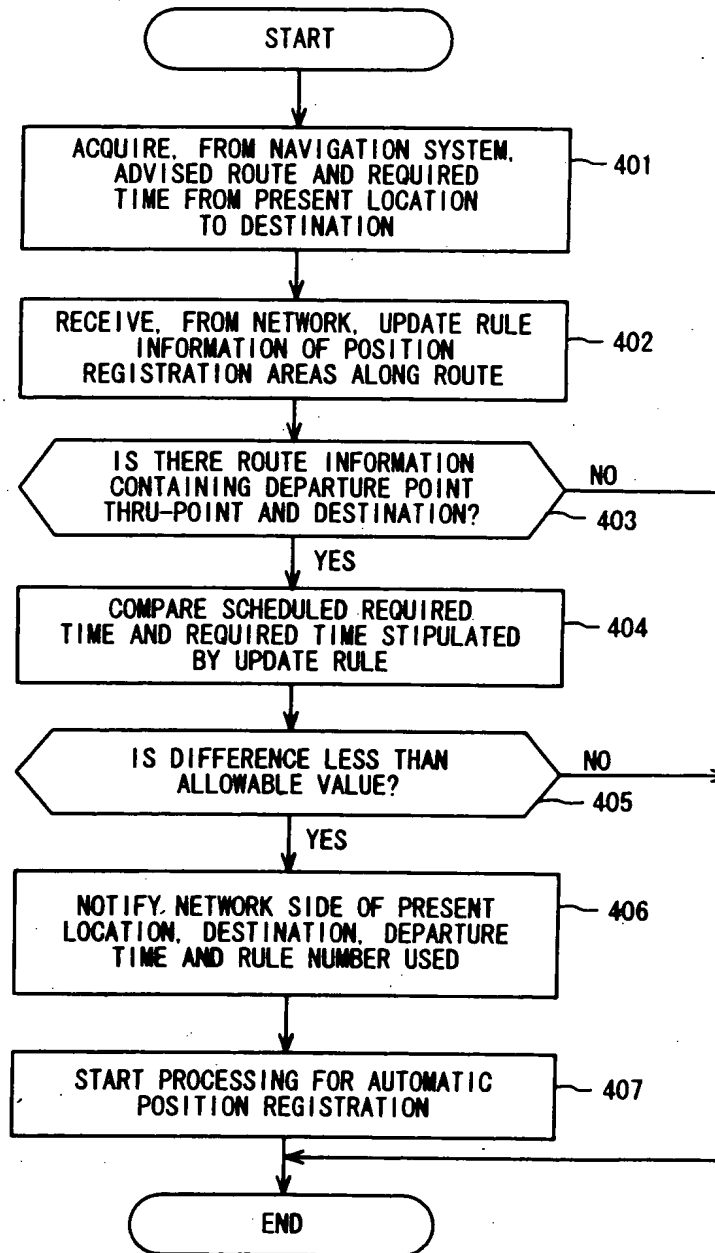
FIG. 28

FIG. 29

RULE FORMAT NO.		RULE DATA						
1	1	RULE NO.	RULE CONFIRMATION PORTION			CHANGEOVER RULE PORTION		
			RADIO ZONE ID	TRAVEL TIME		POSITION REGISTRATION AREA ID	CHANGEOVER TIME	
		MINIMUM VALUE		MAXIMUM VALUE			MINIMUM VALUE	MAXIMUM VALUE
	1	C2→C8	tM11	tM12	L2	t21	t22	
					L3	t31	t32	
					L4	t41	t42	
	2	C5→C14	tM21	tM22	L5	t51	t52	
					L6	t61	t62	
					L7	t71	t72	
	3	C2→C8	tM31	tM32	L2	t81	t82	
					L3	t91	t92	
					L4	t101	t102	
	4	C5→C14	tM41	tM42	L5	t111	t112	
					L6	t121	t122	
					L7	t131	t132	
	⋮							
2	2	RULE NO.	RULE CONFIRMATION PORTION			CHANGEOVER RULE PORTION		
			LATITUDE-LONGITUDE INFORMATION	PASS-BY TIME				
		MINIMUM VALUE		MAXIMUM VALUE		MINIMUM VALUE	MAXIMUM VALUE	
	1	NONE	e1-n1	t141	t142			
			e2-n2	t151	t152			
			e3-n3	t161	t162			
			e4-n4	t171	t172			
			e5-n5	t181	t182			
			e6-n6	t191	t192			
	2	NONE	e7-n7	t201	t202			
			e8-n8	t211	t212			
			e9-n9	t221	t222			
			e10-n10	t231	t232			
			e11-n11	t241	t242			
			e12-n12	t251	t252			
	⋮							

FIG. 30

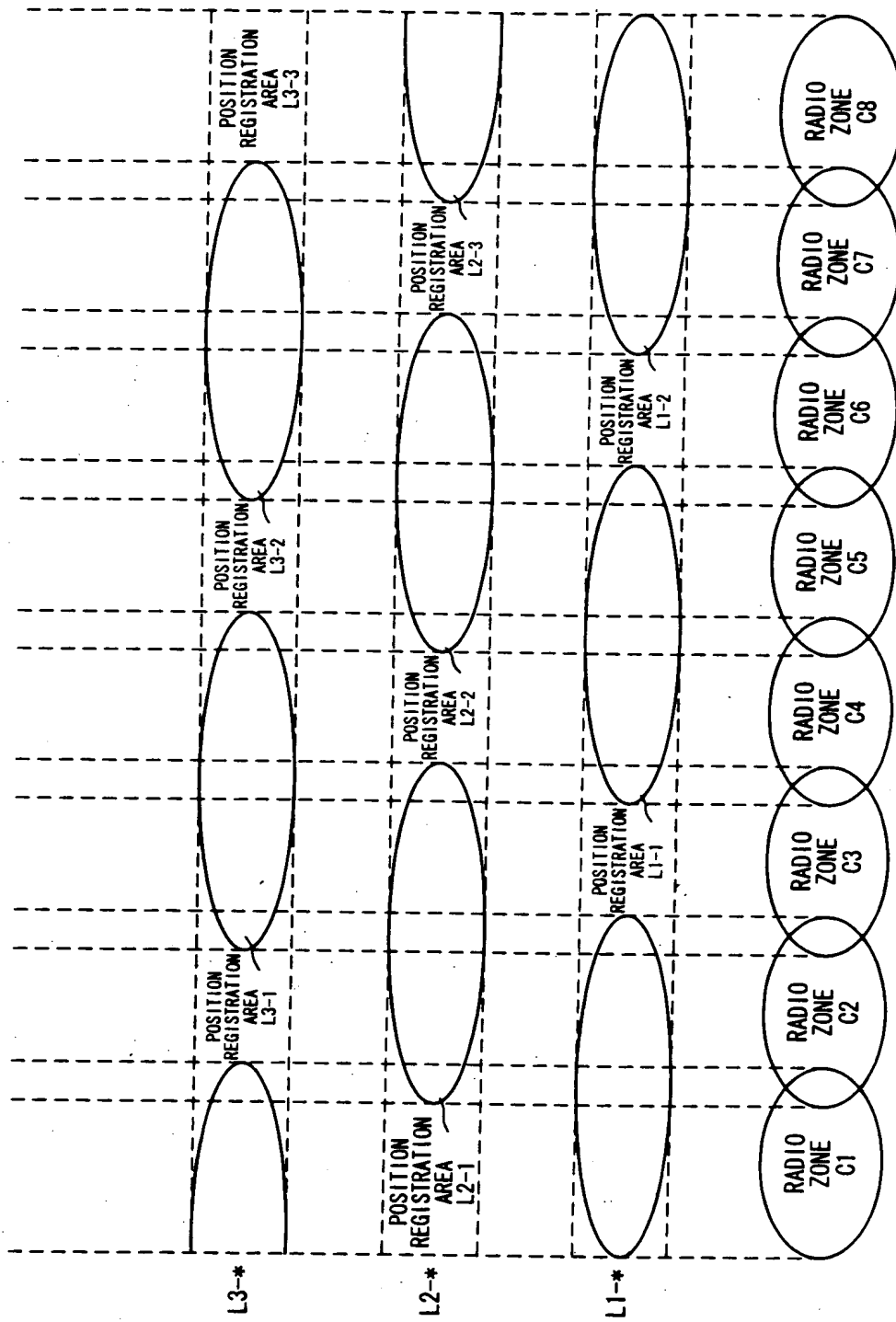


FIG. 31

(a)

RULE NO. 1 OF RADIO ZONE 5

RULE CONFIRMATION PORTION ²

RADIO ZONE ID	TRAVEL TIME
C5→C6	tM81~tM82

CHANGEOVER RULE PORTION ³

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L1-2	t271~272
L1-3	t281~282
L1-4	t291~292

(b)

RULE NO. 2 OF RADIO ZONE 5

RULE CONFIRMATION PORTION ²

RADIO ZONE ID	TRAVEL TIME
C5→C4	tM91~tM92

CHANGEOVER RULE PORTION ³

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2-2	t301~302
L2-1	t311~312
L2-0	t321~322

FIG. 32

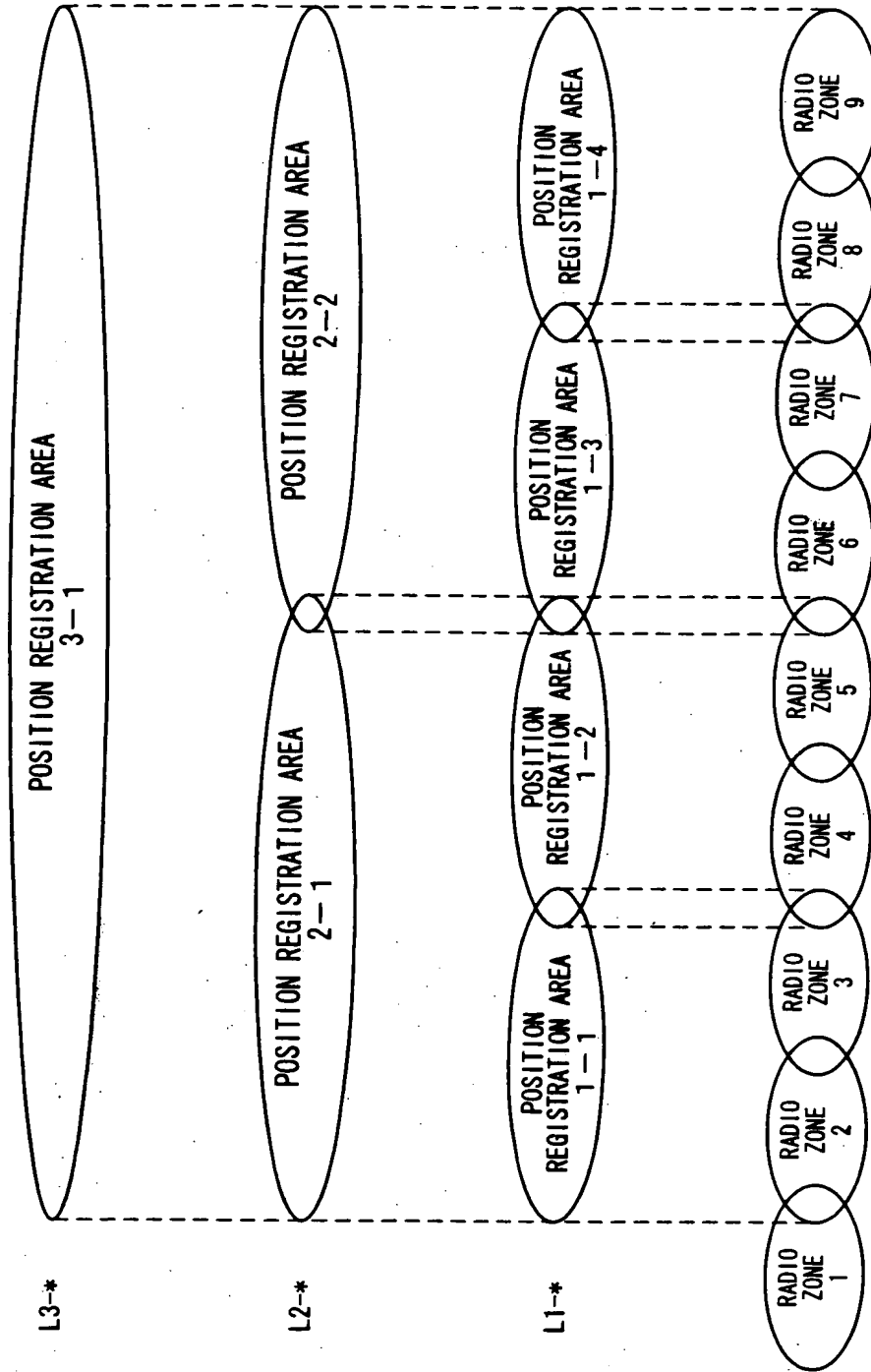


FIG. 33

CHANGEOVER-FREQUENCY NOTIFICATION INFORMATION

HIGHER-ORDER AREA CHANGEOVER FREQUENCY	*1, 2
LOWER-ORDER AREA CHANGEOVER FREQUENCY	*1, 3

*1 UNITS: SECONDS

*2 IF UPDATING OF POSITION REGISTRATION AREA WAS REQUIRED IN TIME SHORTER THAN THIS TIME, CHANGE TO LARGE POSITION REGISTRATION AREA

*3 IF UPDATING OF POSITION REGISTRATION AREA WAS NOT REQUIRED WITHIN THIS TIME, CHANGE TO SMALL POSITION REGISTRATION AREA

FIG. 34

RULE FOR AUTOMATIC POSITION REGISTRATION CHANGEOVER

(a) RULE OF RADIO ZONE 1

RULE NO. 1

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C1→C2	tM101~tM102

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L1-1	t271~272
L1-2	t281~282
L1-3	t291~292

RULE NO. 2

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C1→C2	tM111~tM112

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2-1	t301~302
L2-2	t311~312
L2-3	t321~322

RULE NO. 3

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C1→C2	tM121~tM122

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L3-1	t301~302
L3-2	t311~312
L3-3	t321~322

(b) RULE OF RADIO ZONE 2

RULE NO. 1

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C2→C3	tM131~tM132

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L1-1	t331~332
L1-2	t341~342
L1-3	t351~352

RULE NO. 2

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C2→C3	tM141~tM142

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2-1	t361~362
L2-2	t371~372
L2-3	t381~382

RULE NO. 3

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C2→C3	tM151~tM152

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L3-1	t391~392
L3-2	t401~402
L3-3	t411~422

(c) RULE OF RADIO ZONE 3

RULE NO. 1

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C3→C4	tM161~tM162

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L1-2	t421~422
L1-3	t431~432
L1-4	t441~442

RULE NO. 2

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C3→C4	tM171~tM172

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L2-1	t451~452
L2-2	t461~462
L2-3	t471~472

RULE NO. 3

RULE CONFIRMATION
PORTION

RADIO ZONE ID	TRAVEL TIME
C3→C4	tM181~tM182

CHANGEOVER RULE PORTION

POSITION REGISTRATION AREA ID	CHANGEOVER TIME
L3-1	t481~482
L3-2	t491~492
L3-3	t501~502

FIG. 35

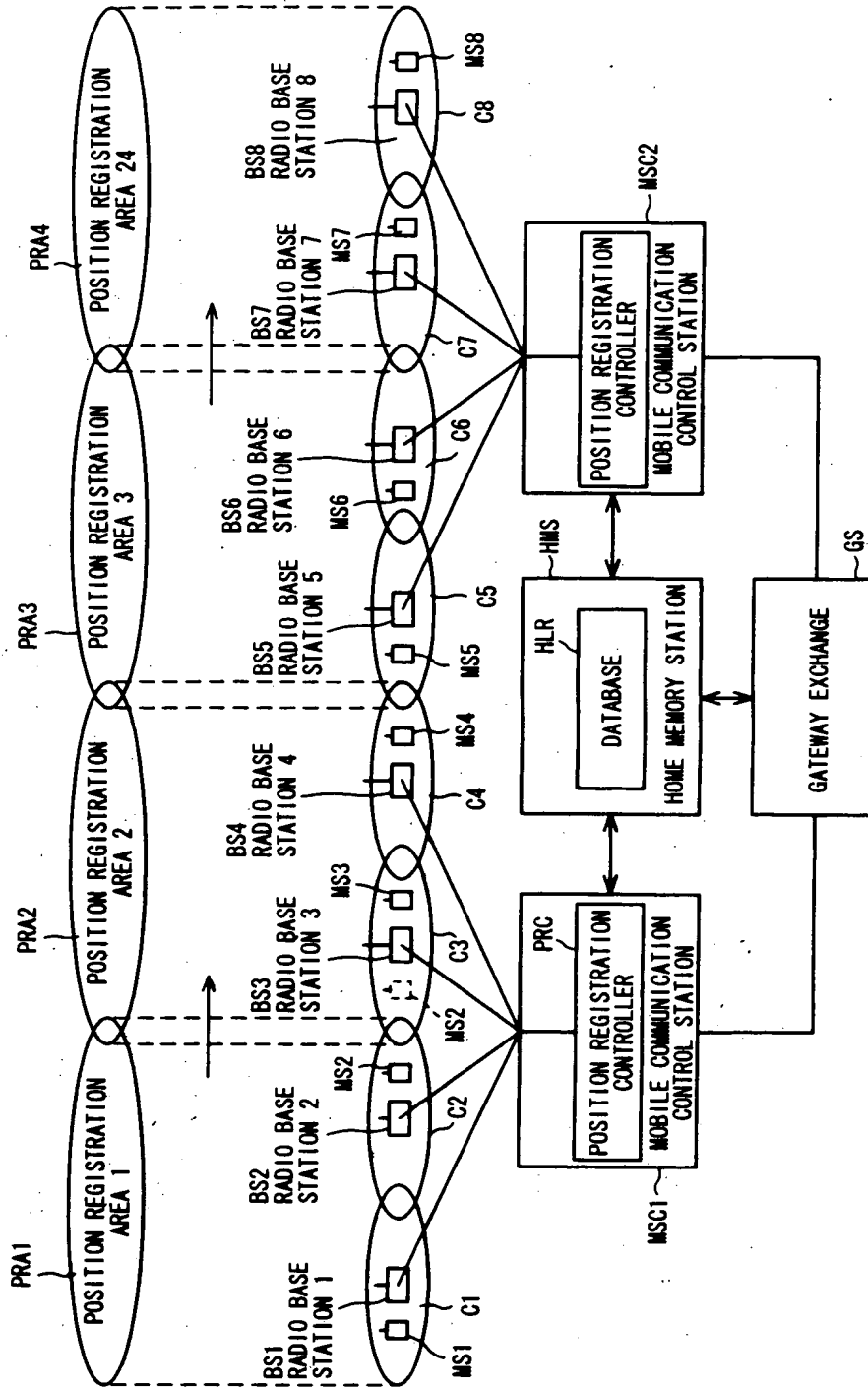


FIG. 36

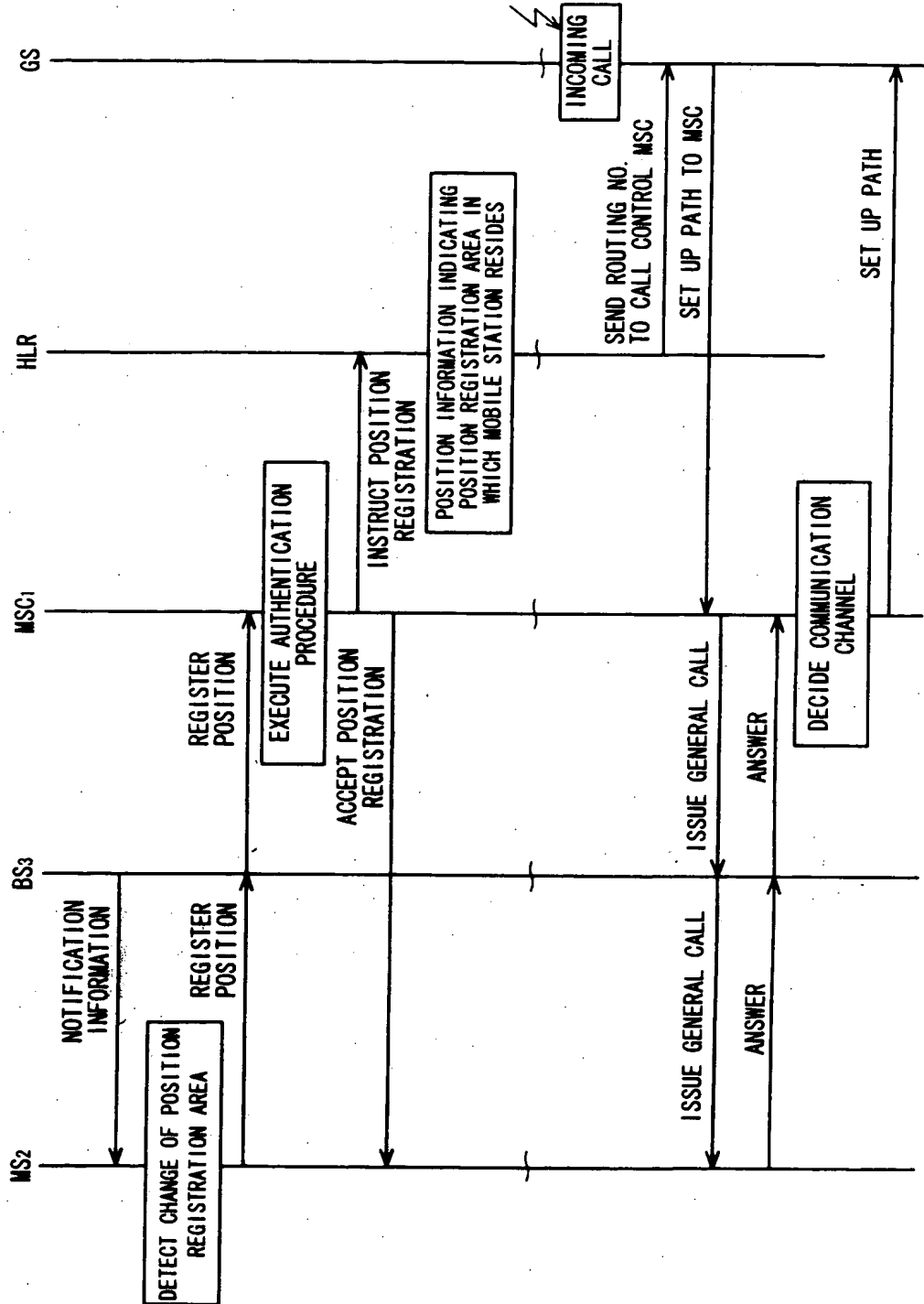


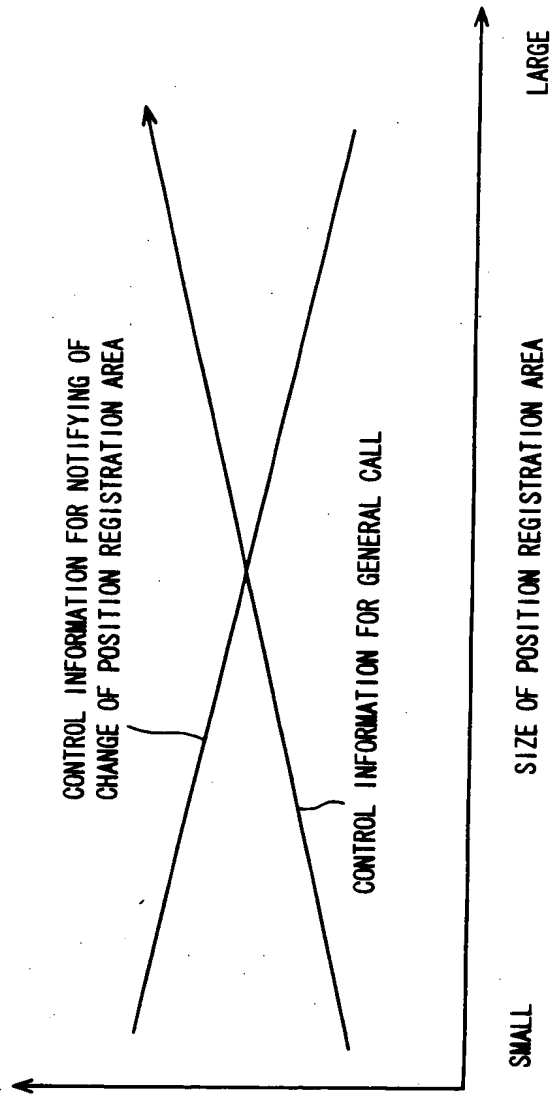
FIG. 37

FIG. 38